DOCUMENT RESUME

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TITLE SCOPE (Standardized Curriculum-Oriented Pupil Evaluation) Mathematics. Test Book Grade Three-S.

INSTITUTION Northwest Territories Dept. of Education, Yellowknife. Programs and Evaluation Branch.

PUB DATE [81]

NOTE 53p.; For related documents, see RC 013 920-927. Dr. I.R. Brooks is the developer of the test, originally known as the Achievement Test of Indian Children (ATC).

PUB TYPE Tests/Evaluation Instruments (160)

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DESCRIPTORS *Arithmetic; Criterion Referenced Tests; Division; *Elementary School Mathematics; *Grade 3; Multiplication; Number Systems; Primary Education; Quantitative Tests; Test Items; Time

IDENTIFIERS Money; *Standardized Curriculum Oriented Pupil Evaluation

ABSTRACT

The SCOPE Mathematics Achievement Test booklet for grade 3-s contains the same testing items as the test booklet for grade 3. This booklet is more suitable for the more mature student; therefore, directions have been written to permit the student to take the test with little or no teacher direction. (ERB)

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Scope

Standardized Curriculum - Oriented Pupil Evaluation

MATHEMATICS

[1981]

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Test Book
Grade Three • S

RC 01 39924

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1.2 Skip counts by 2's to 100 , 3's to 30, 4's to 40, 5's to 100, 10's to 100 .

Instructions

Look at these numbers. Which numbers are missing? 8, 10 and 12 are missing. Write 8, 10, 12 in the spaces beside P1 on page 3 of your answer book.

Example

2, 4, 6, ____, ____, ____

Lock at these questions.
Which numbers are missing? Write your answers on page 3 of your answer book.

1

38, 40, 42, _____, _____, _____,

2

3, 6, 9, _____, _____, _____

3

30, 40, 50, _____, _____, _____

4

25, 30, 35, _____, _____, _____

5

20, 24, 28, _____, _____, _____

6

8, 12, 16, _____, _____, _____

7

15, 18, 21, _____, _____, _____

1.3 Writes number words to twenty.

Instructions

Look at this number. What word goes with this number? The word is "one". Write "one" beside P2 on page 3 of your answer book.

Example

1_____

Write the answers to the following questions on page 3 of your answer book.

8

18_____

9

20_____

10

14_____

11

19_____

12

12_____

13

16_____

14

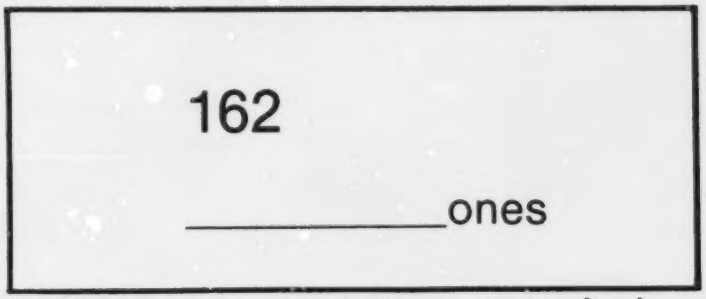
11_____

6

1.4 Identifies and names the number of hundreds, tens and ones in a three digit numeral.

Instructions

Look at this number. How many ones in 162? The answer is two. Write "2" beside P3 on page 3 of your answer book.



Write the answers to the following questions on page 3 of your answer book.

15

How many tens in 143?

_____

16

How many hundreds in 670?

_____

17

How many tens in 952?

_____

18

How many hundreds in 324?

19

How many ones in 876?

20

How many hundreds in 916?

21

How many tens in 400?

1.5 Reads and writes numerals in sequence from 0 - 1000.
Finds the number before or after a given number from 0 - 1000.
Finds a number between two given numbers from 0 - 1000.

Instructions

Look at these numbers. Which numbers are missing? 120 and 121 are missing. Write 120 and 121 beside P4 on page 3 of your answer book.

Example

118, 119, ____, ____, 122

Look at these questions. Which numbers are missing? Write your answers on page 3 of your answer book.

22

195, 196, ____, ____, 199

23

233, 234, ____, 236, ____

24

998, ____, ____, 1001, 1002

25

890, 891, ____, 893, ____, 895

26

799, ____, 801, 802, ____, 804

27

249, ____, 251, ____, 253, 254

28

____, 500, ____, 502, 503

2.1a Adds (and subtracts) two digit numbers with regrouping.

Instructions

Look at this question. What is the answer? The answer is 23. Write 23 beside P1 on page 4 of your answer book.

Example

$$\begin{array}{r} 11 \\ +\ 12 \\ \hline \end{array}$$

Answer these questions. Write your answers on page 4 of your answer book.

29

$$\begin{array}{r} 18 \\ +\ 13 \\ \hline \end{array}$$

30

$$\begin{array}{r} 16 \\ +\ 95 \\ \hline \end{array}$$

31

$$\begin{array}{r} 98 \\ +\ 42 \\ \hline \end{array}$$

32

$$\begin{array}{r} 76 \\ +\ 27 \\ \hline \end{array}$$

33

$$\begin{array}{r} 67 \\ +\ 87 \\ \hline \end{array}$$

34

$$\begin{array}{r} 26 \\ 33 \\ +\ 89 \\ \hline \end{array}$$

35

$$\begin{array}{r} 14 \\ 30 \\ +\ 90 \\ \hline \end{array}$$

2.1b (Adds and) subtracts two digit numbers with regrouping.

Instructions

Look at this question. What is the answer? The answer is 12. Write 12 beside P2 on page 4 of your answer book.

Example

$$\begin{array}{r} 23 \\ -\ 11 \\ \hline \end{array}$$

Answer these questions. Write your answers on page 4 of your answer book.

36

$$\begin{array}{r} 76 \\ -\ 67 \\ \hline \end{array}$$

37

$$\begin{array}{r} 82 \\ -\ 78 \\ \hline \end{array}$$

38

$$\begin{array}{r} 65 \\ -\ 48 \\ \hline \end{array}$$

39

$$\begin{array}{r} 67 \\ -\ 28 \\ \hline \end{array}$$

40

$$\begin{array}{r} 50 \\ -\ 49 \\ \hline \end{array}$$

41

$$\begin{array}{r} 85 \\ -\ 29 \\ \hline \end{array}$$

42

$$\begin{array}{r} 72 \\ -\ 54 \\ \hline \end{array}$$

2.1c Adds (and subtracts) three digit numbers without regrouping.

Instructions

Look at this question. What is the answer? The answer is 233. Write 233 beside P3 on page 4 of your answer book.

Example

$$\begin{array}{r} 111 \\ +\,122 \\ \hline \end{array}$$

Answer these questions. Write your answers on page 4 of your answer book.

43

$$\begin{array}{r} 125 \\ +\,342 \\ \hline \end{array}$$

44

$$\begin{array}{r} 382 \\ +\,607 \\ \hline \end{array}$$

45

$$\begin{array}{r} 200 \\ +\,492 \\ \hline \end{array}$$

46

$$\begin{array}{r} 641 \\ +\,153 \\ \hline \end{array}$$

47

$$\begin{array}{r} 675 \\ +\,203 \\ \hline \end{array}$$

48

$$\begin{array}{r} 122 \\ 703 \\ +\;\;70 \\ \hline \end{array}$$

49

$$\begin{array}{r} 124 \\ 413 \\ +\,222 \\ \hline \end{array}$$

2.1d (Adds and) subtracts three digit numbers without regrouping.

Instructions.

Look at this question. What is the answer? The answer is 121. Write 121 beside P4 on page 4 of your answer book.

Example

$$\begin{array}{r} 233 \\ -\,112 \\ \hline \end{array}$$

Answer these questions. Write your answers on page 4 of your answer book.

50

$$\begin{array}{r} 569 \\ -\,356 \\ \hline \end{array}$$

51

$$\begin{array}{r} 799 \\ -\,372 \\ \hline \end{array}$$

52

$$\begin{array}{r} 678 \\ -\,508 \\ \hline \end{array}$$

53

$$\begin{array}{r} 976 \\ -\ 364 \\ \hline \end{array}$$

54

$$\begin{array}{r} 259 \\ -\ 124 \\ \hline \end{array}$$

55

$$\begin{array}{r} 707 \\ -\ 203 \\ \hline \end{array}$$

56

$$\begin{array}{r} 852 \\ -\ 612 \\ \hline \end{array}$$

2.1e Adds and subtracts multiples of 10 and 100.

Instructions

Look at this question. What is the answer? The answer is 20. Write 20 beside P1 on page 5 of your answer book.

Example

10 + 10 = _____

Answer these questions. Write your answers on page 5 of your answer book.

57

20 + 10 = _____

58

40 − 20 = _____

59

30 + 40 = _____

60

$60 - 50 = _____$

61

$400 - 300 = _____$

62

$200 + 400 = _____$

63

$500 - 300 = _____$

2.2a Demonstrates mastery of basic multiplication facts to 40.

Instructions

Look at this question. What is the answer? The answer is 25. Write 25 beside P2 on page 5 of your answer book.

Example

$5 \times 5 =$ _____

Write the answers tc these questions on page 5 of your answer book.

64 $7 \times 5 =$ _____

65 $8 \times 4 =$ _____

66 $6 \times 5 =$ _____

67

$4 \times 7 = _____$

68

$2 \times 11 = _____$

69

$3 \times 10 = _____$

70

$2 \times 12 = _____$

2.2b Multiplies, with regrouping, up to a 2 digit factor by a one digit factor.

Instructions

Look at this question. What is the answer? The answer is 12. Write 12 beside P3 on page 5 of your answer book.

Example

$$\begin{array}{r} 12 \\ \times\ 1 \\ \hline \end{array}$$

Answer the following questions. Write your answers on page 5 of your answer book.

71

$$\begin{array}{r} 27 \\ \times\ 2 \\ \hline \end{array}$$

72

$$\begin{array}{r} 36 \\ \times\ 3 \\ \hline \end{array}$$

73

$$\begin{array}{r} 24 \\ \times\ 6 \\ \hline \end{array}$$

74

$$\begin{array}{r} 69 \\ \times\ 2 \\ \hline \end{array}$$

75

$$\begin{array}{r} 18 \\ \times\ 3 \\ \hline \end{array}$$

76

$$\begin{array}{r} 22 \\ \times\ 8 \\ \hline \end{array}$$

77

$$\begin{array}{r} 59 \\ \times\ 7 \\ \hline \end{array}$$

2.2c Multiplies by multiples of 10 and 100.

Instructions

Look at this question. What is the answer? The answer is 20. Write 20 beside P4 on page 5 of your answer book.

Example

$2 \times 10 =$ _____

Answer the following questions. Write your answers on page 5 of your answer book.

78 $8 \times 10 =$ _____

79 $10 \times 40 =$ _____

80 $3 \times 200 =$ _____

81

$6 \times 500 =$ _____

82

$9 \times 800 =$ _____

83

$8 \times 70 =$ _____

84

$10 \times 500 =$ _____

2.2d Estimates products by rounding off.

Instructions

The estimated answer to this question, rounded off to the nearest ten is 20. Write 20 beside P1 on page 6 of your answer book.

Example

$$\begin{array}{r} 11 \\ \times\ 2 \\ \hline \end{array}$$

Estimated answer: _____

Write your answers to these questions on page 6 of your answer book.

85

$$\begin{array}{r} 22 \\ \times\ 3 \\ \hline \end{array}$$

Estimated answer =

86

$$\begin{array}{r} 33 \\ \times\ 3 \\ \hline \end{array}$$

Estimated answer =

87

$$\begin{array}{r} 24 \\ \times\ 8 \\ \hline \end{array}$$

Estimated answer =

88

$$\begin{array}{r} 38 \\ \times\ 3 \\ \hline \end{array}$$

Estimated answer =

89

$$\begin{array}{r} 9 \\ \times\ 9 \\ \hline \end{array}$$

Estimated answer =

90

$$\begin{array}{r} 17 \\ \times\ 2 \\ \hline \end{array}$$

Estimated answer =

91

$$\begin{array}{r} 48 \\ \times\ 4 \\ \hline \end{array}$$

Estimated answer =

2.3 Introduces symbol ÷. Demonstrates mastery of basic facts to 40.

Instructions

Look at this question. What is the answer? The answer is 4. Write 4 beside P2 on page 6 of your answer book.

Example

8 ÷ 2 = _____

Answer these questions. Write your answers on page 6 of your answer book.

92 12 ÷ 3 = _____

93 24 ÷ 2 = _____

94 36 ÷ 4 = _____

95

$35 \div 5 = _____$

96

$27 \div 9 = _____$

97

$20 \div 10 = _____$

98

$30 \div 6 = _____$

3.1 Rounds off numbers to nearest 10 and 100.

Instructions

Look at this number. Round it off to the nearest ten. What is the answer? The answer is 120. Write 120 beside P3 on page 6 of your answer books.

Example

118

Rounded off to the nearest 10 is _____

Look at these questions. Round off the number in each question. Write your answers on page 6 of your answer book.

99

321

Rounded off to the nearest 10 is _____

100

865

Rounded off to the nearest 10 is _____

101

942

Rounded off to the nearest 10 is _____

102

3578

Rounded off to the nearest 100 is _____

103

34891

Rounded off to the nearest 100 is _____

104

49882

Rounded off to the nearest 100 is _____

105

10052

Rounded off to the nearest 100 is _____

4.2 Understands associative property for multiplication.

Instructions

Look at these sets of numbers. Which set on the right is the same as the one on the left? $(2 \times 3) \times 4$ is the same as $2 \times (3 \times 4)$. Beside P4 on page 6 of your answer book, draw a line from $2 \times (3 \times 4)$ to $(2 \times 3) \times 4$ to show that they are the same.

Example

$2 \times (3 \times 4)$	$(1 \times 6) \times 7$
	$(2 \times 3) \times 4$

Look at these sets of numbers. Draw a line from each set of numbers on the left to the one on the right that is the same. Don't make any marks in this book. Write your answers on page 6 of your answer book.

106	$2 \times (5 \times 6)$	9×7
		$2 \times (8 \times 3)$
107	$(9 \times 1) \times 7$	14×4
108	$(4 \times 3) \times 8$	10×6
		$4 \times (3 \times 8)$
109	$7 \times (2 \times 4)$	$(4 \times 9) \times 5$

110	$(5 \times 1) \times 8$	$9 \times (2 \times 4)$
		9×6
111	$(9 \times 3) \times 2$	$7 \times (6 \times 4)$
		5×8
112	$2 \times (4 \times 6)$	$(2 \times 4) \times 6$

4.3 Understands the property of zero in multiplication.

4.4 Demonstrates the property of one in multiplication.

Instructions

Look at this question. What is the answer? The answer is 0. Write 0 beside P1 on page 7 of your answer book.

Example

$1 \times 0 =$ _____

Answer these questions. Write your answers on page 7 of your answer book.

113 $13 \times 0 =$ _____

114 $8 \times 0 =$ _____

115 $5 \times 1 =$ _____

116

$7 \times 0 = _____$

117

$19 \times 1 = _____$

118

$6 \times 1 = _____$

119

$12 \times 0 = _____$

5.2 Recognize the pattern of even and odd numbers.

Look at these two numbers. What are the odd numbers between 1 and 7? They are 3 and 5. Write 3 and 5 beside the P2 on page 7 of your answer book.

Example

1_____7

Answer these questions. Write your answers on page 7 of your answer book.

120 **Write the even numbers between 22 and 30.**

121 **Write the odd numbers between 11 and 19.**

122 **Write the even numbers between 32 and 40.**

123

Write the odd numbers between 21 and 29.

124

Write the odd numbers between 45 and 53.

125

Write the even numbers between 14 and 22.

126

Write the odd numbers between 29 and 37.

6.1a Counts money to $5.00.

Instructions

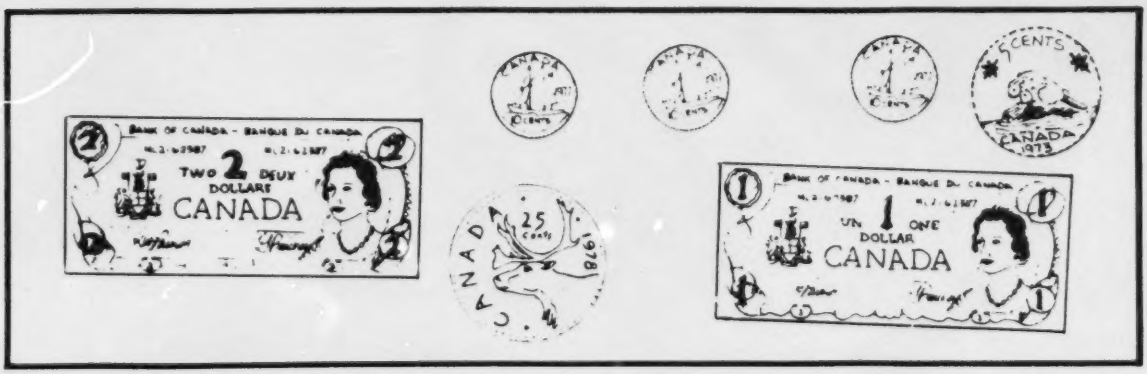
Look at this money. How much money is here? There is $3.00. Write $3.00 beside P3 on page 7 of your answer book.

Example

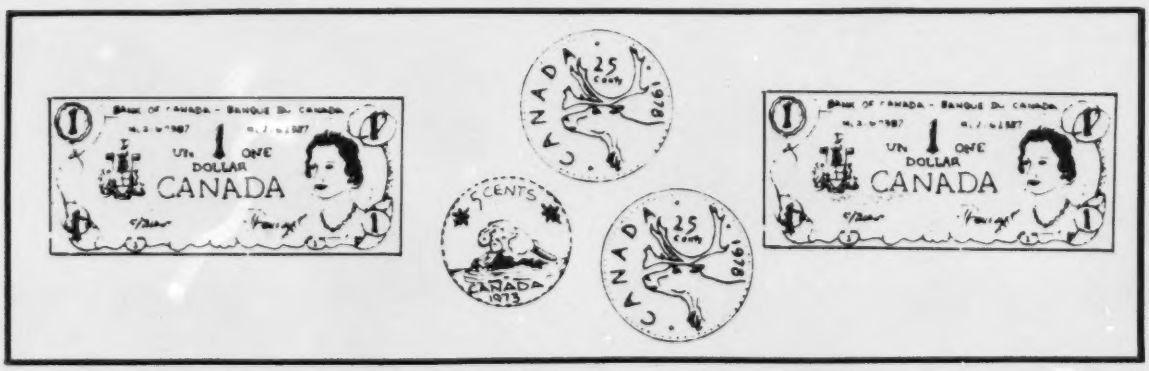
Answer these questions. Write your answers on page 7 of your answer book.

127

128



129



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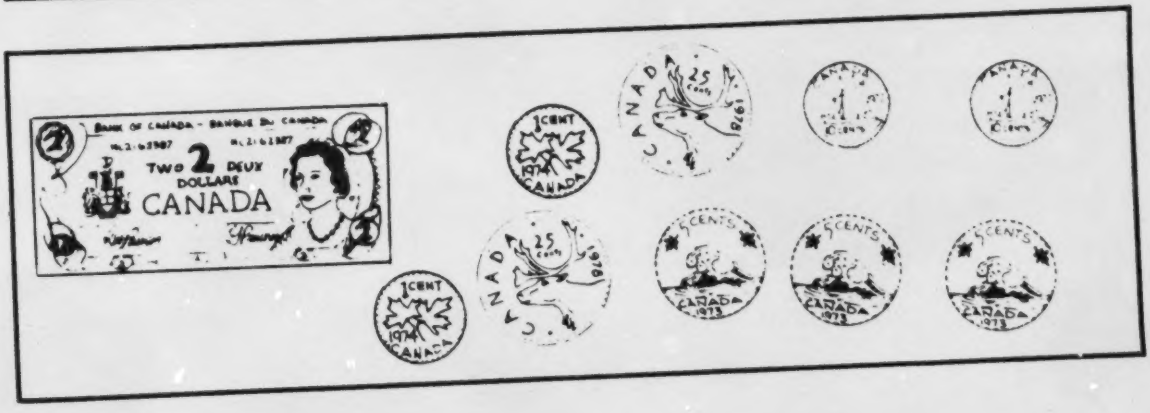
130

131

132

133



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6.1b Makes purchases and gives change to $5.00.

Look at this problem? How much money should Bob get back? The answer is $0.60. Write $0.60 beside P1 on page 8 of your answer book.

Example

Bob has $1.00
He spends $0.40
He gets _____ change.

Answer these questions. Write your answers on page 8 of your answer book.

134

Ann has $2.00. She spends $0.69.
How much change does she get back?

135

Bill has $3.00. He spends $1.26.
How much change does he get back?

136

Susan has $3.75. She spends $3.58.
How much change does she get back?

137

Andy has $5.00. He spends $2.10.
How much change does he get back?

138

Mary has $4.50. She spends $4.17.
How much change does she get back?

139

Sam has $4.40. He spends $3.36.
How much change does he get back?

140

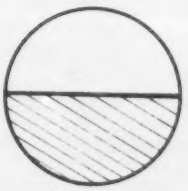
Lucy has $5.00. She spends $4.12.
How much change does she get back?

7.1 Identifies and writes fractions, 1/2, 1/3, 1/4, 2/4, 3/4, 1/10, 1/100 as a representation of part of a whole or a group.

Instructions

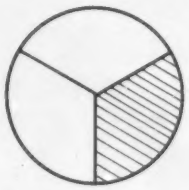
Look at this shape. What fraction of the shape is black? 1/2 of the shape is black. Write 1/2 beside P2 on page 8 of your answer book.

Example



Answer these questions. Write your answers on page 8 of your answer book.

141

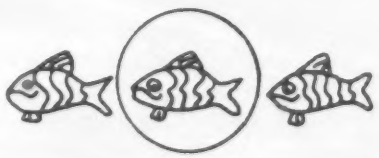


How much has been coloured in?

142

How much has been coloured in?

143



How much has been circled?

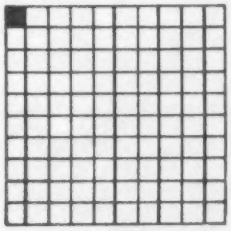
144

How much has been circled?

145

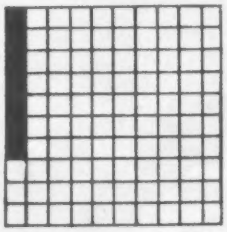
How much has been circled?

146



How much has been coloured in?

147



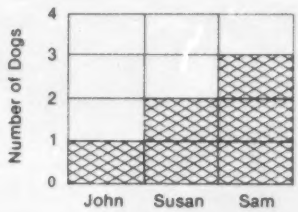
How much has been coloured in?

9.1 (Collects data, constructs) and interprets bar graphs.

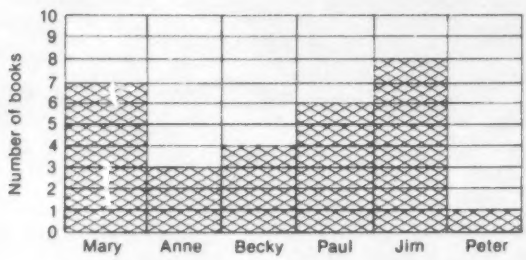
Instructions

Look at this bar graph. From the graph you can tell how many dogs John, Sam and Susan have. How many dogs does Sam have? He has 3. Write 3 beside P3 on page 8 of your answer book.

Example



Look at this bar graph and these questions. Use the graph to find the answers to the questions. Write your answers on page 8 of your answer book.

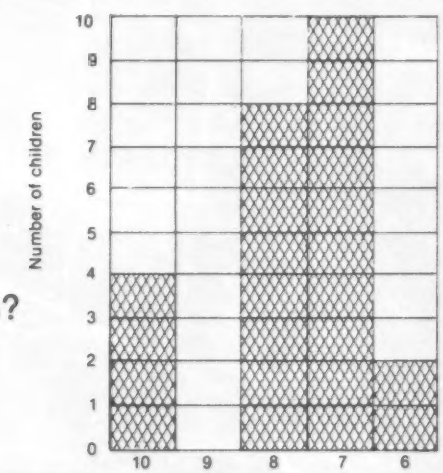


148 Who has the most books?

149 Who has the fewest books?

150 Who has 3 books?

Look at this bar graph. Answer the questions. Write your answers on page 8 of your answer book.



151 How many children are aged 10 years?

152 Are more children 6 or 7?

153 How many children are 9?

154 Are more children 8 or 10?

10.2 Estimates and measures area using non standard and standard units. (Limit cm², m²) without using formulae.

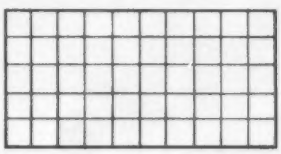
Instructions

Look at this shape. Each square = 1m². What is the area of the rectangle? The answer is 8m². Write 8m² beside P4 on page 8 of your answer book.

Example

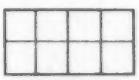
Look at these questions. What is the area of the shape in each question? Write your answers to these questions on page 8 of your answer book.

155



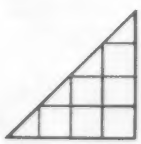
Each square equals 1m²

156



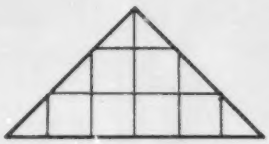
Each square equals 1cm²

157



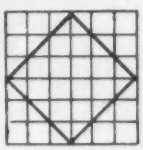
Each square equals 1cm²

158



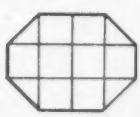
Each square equals 1cm²

159



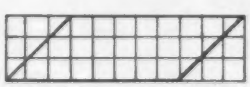
Each square equals 1m²

160



Each square equals 1cm³

161

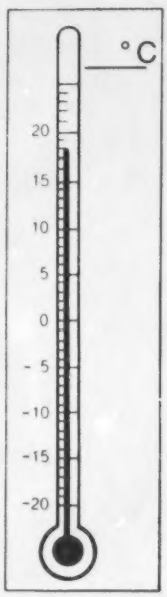


Each square equals 1m²

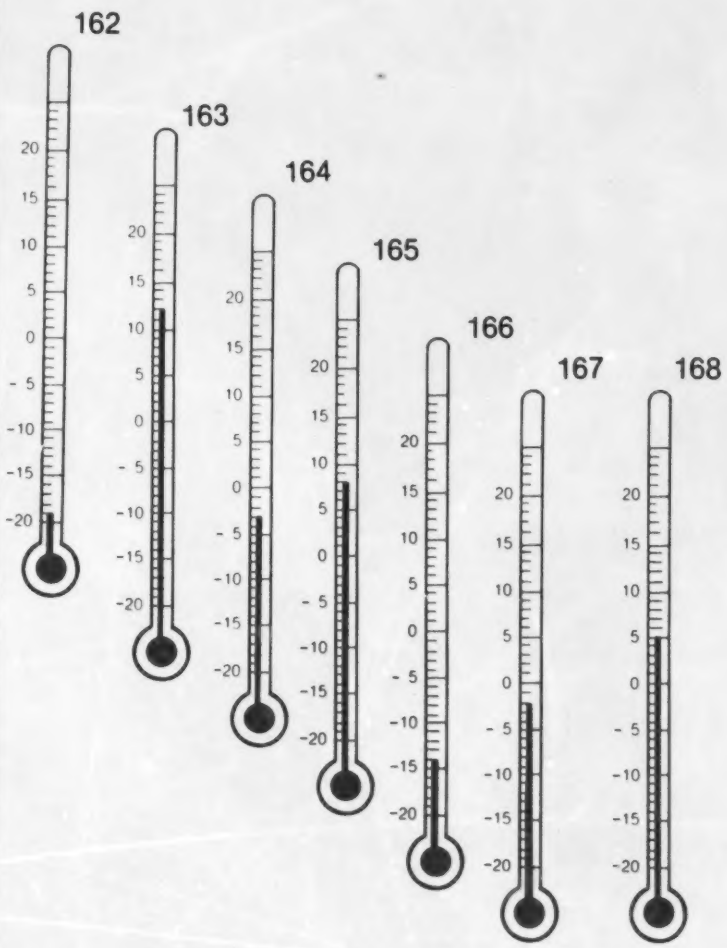
10.6 Distinguishes between degrees above and below zero.

Instructions

Look at this thermometer.
What temperature is shown?
The temperature is 18°C.
Write 18°C beside P1 on
page 9 of your answer book.



What temperatures do these thermometers show? Write your answers on page 9 of your answer book.



10.7 Tells time to the nearest five minutes. Uses noon, midnight, a.m., p.m.

Instructions.
Look at the clock. What does it say? The answer is 11:10. Write 11:10 beside P2 on page 9 of your answer book.

Example

Look at these questions. What time does each clock say? Write your answers to these questions on Page 9 of your answer book.

169

170

171

172

173

174 When the clock looks like this and you are eating your lunch, what time is it? Circle the correct answer on page 9 of your answer book.

NOON MIDNIGHT

175 When the clock looks like this and you are sleeping, what time is it? Circle the correct answer on page 9 of your answer book.

NOON MIDNIGHT

Look at this sentence. It tells you to draw a circle. Draw one beside P3 on page 9 of your answer book.

Draw a circle.

Look at these questions. Each one tells you to draw a shape. Draw the shape on page 9 of your answer book.

176 Draw a square.

177 Draw a triangle.

178 Draw a rectangle.

11.2b Recognizes regular polygons.

Instructions

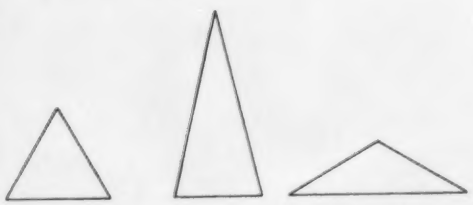
Look at these shapes. Which is the circle? The circle has been marked with an "X". Put an "X" on the circle beside P4 on page 9 of your answer book.

Example

Look at these questions. You are to mark a shape. Mark your answers on page 9 of your answer book.

179 Put an X on the square.

180 Put an X on the equilateral triangle.



181 Put an X on the pentagon.

182 Put an X on the rhombus.

183 Put an X on the hexagon.

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